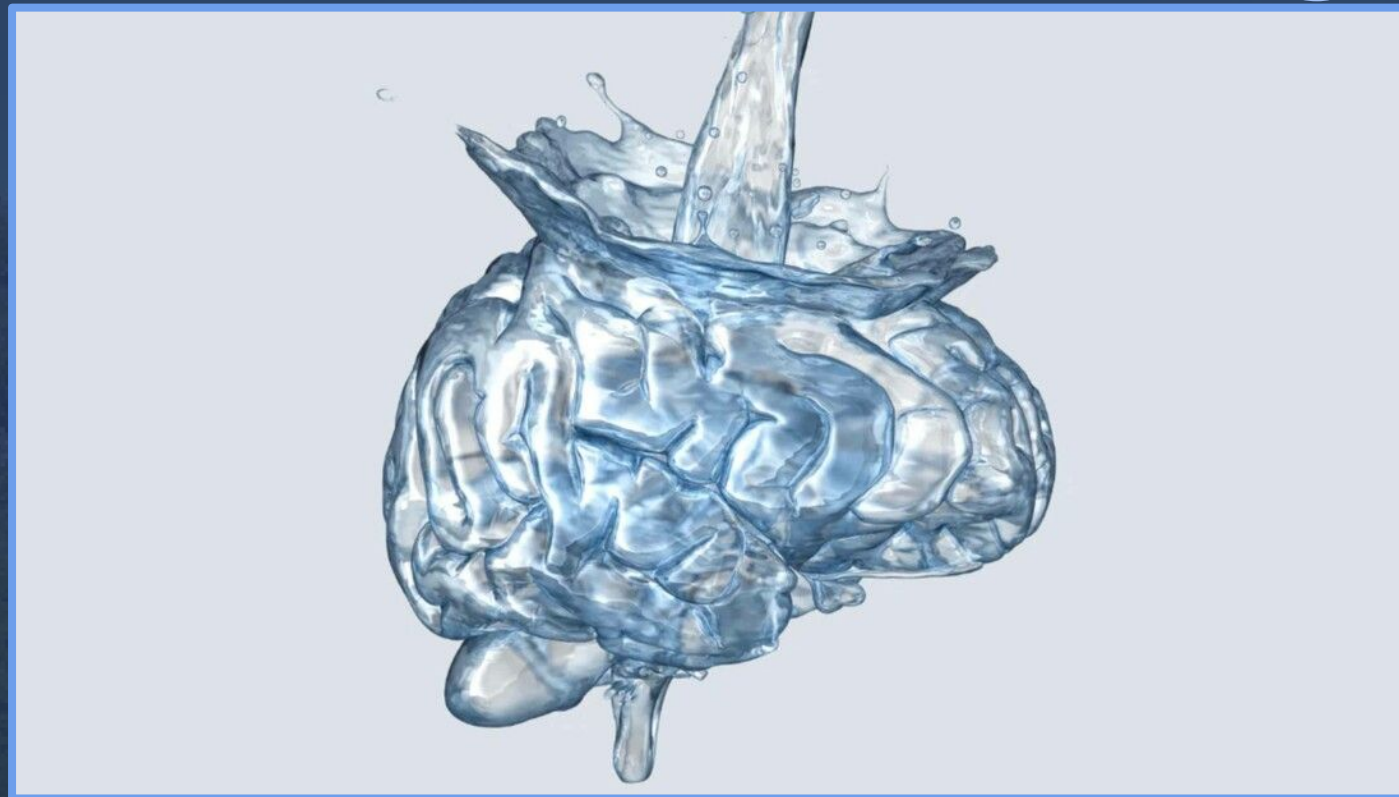


Ecotoxicology and Bioremediation of Polluted Sites

Water Memory



Realised & resented by :
ABOUELABBAS EL Mahdi

Framing by :
Pr.Sedki



we want to treat :

I/-Introduction

i/-Definition

ii/-History

II/-Principle of water memory

i/-in science

III/-Conclusion

I/-Introduction

i/-Definition :

Water memory is the ability of water to retain memory of materials that have been pre-melted into it even after a random number of serial mitigations .



I/-Introduction

ii/-History :

The notion of **water memory** was first raised in the **1980s** by a renowned scientist called **JACK BENVENISTE** .It immediately sparked a major scientific controversy,[1]

Professor Montani is the joint winner of the **2008 Nobel Prize** in physiology who chose to risk his career by venturing through research on the topic of **water memory**.[2]



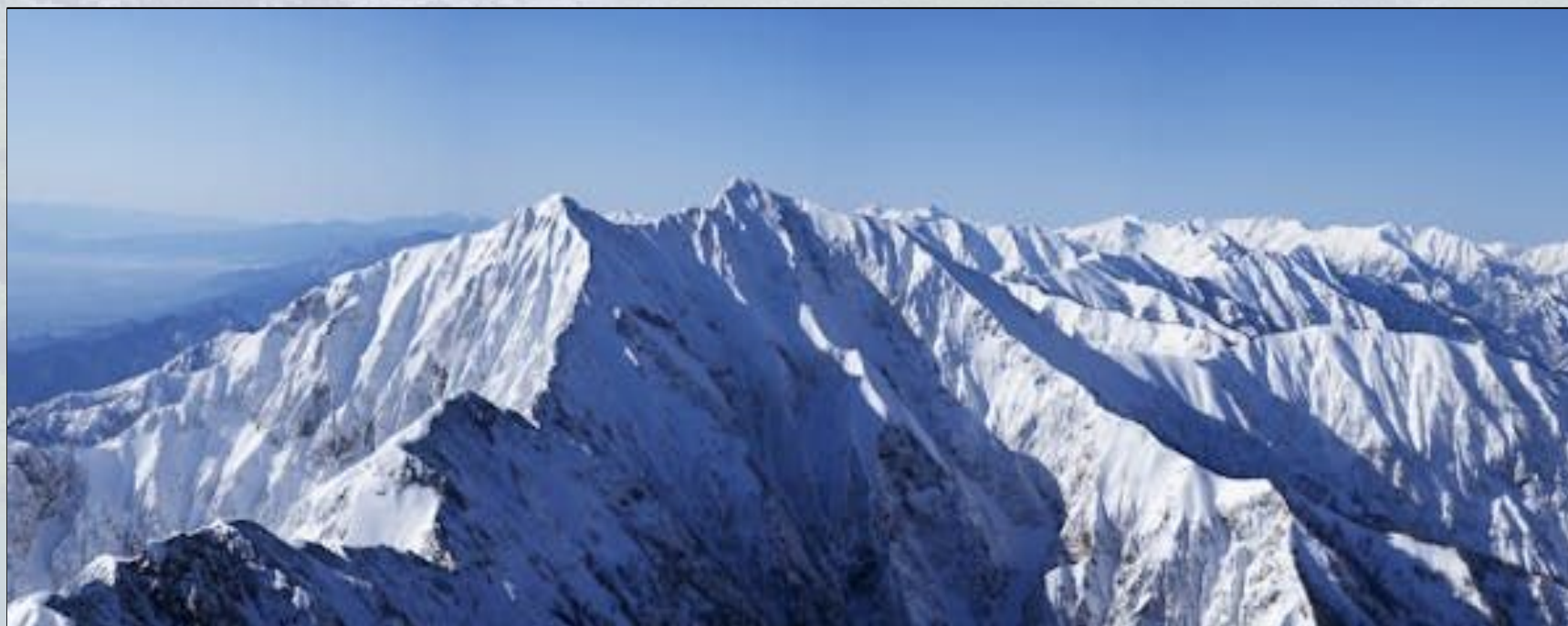
Figure 1 : JACK BENVENISTE
(1935-2004) [2]



Figure2 :Professor Luc MONTAGNE
(1932-2022) [3]

II/-Principle of water memory

Biologists say that water that flows **from mountains**, for example. Through **many valleys, plains** and **curves** and without **external pressure** or **chemicals mixed** with it, Its effect on the body **is more effective than the water we drink in homes**. on a violent journey from its primary sources to refineries, Where **filtration, cleaning, chemicals, then pushing it and pressing it** into **various sized pipes** in another **long journey** for **hundreds or thousands of kilometres** until the houses arrive. [5]



II/-Principle of water memory

table 1 : the difference between [Natural water](#) & [water in homes](#) [5].

Natural Water (figure 3)	Water in homes (figure 4)
● It flows from mountains without external pressures or mixed chemicals. ● His long journey spans dozens of teeth that earn him his mineral and clean properties. ● Its effect on the body is more effective .	● Its violent journey from its primary sources to refineries . ● Filtration, cleaning and chemicals, then propelled and pressed into various sized pipes in another long journey until the houses arrive. ● Its effect on the body is less effective.

II/-Principle of water memory

Why this
difference
?



II/-Principle of water memory



Figure 3 : Natural Water trajectory



Figure 4 :Water in home trajectory

II/-Principle of water memory

Water is exposed to **its long violent journey** and **painful memories**, and this water reaches us to settle **in tanks** and **pipes inside the houses**. to enter a **new environment** and be **influenced by people's mixed feelings, especially negative ones**, It **contaminates** more from the point of view **of its composition**, by absorbing **mixed feelings** of **hatred and noise around** it **emanating** from the human beings in the houses, Even if someone comes drinking a glass of this water, He find them **drinking dead, unstable water**. It may be **recounts his thirst** but does not positively affect the body's cells. **On the contrary, Natural water and groundwater** .[5]

II/-Principle of water memory

**What is the
relationship
with science
??**



II/-Principle of water memory

i/-in science :

There is a scientific hypothesis still under research and studies in laboratories, the conclusion that water has memory, storing all the information that is going on around it, emanating from sounds and magnetic waves, heat and cold, lights and radiation or other effects

II/-Principle of water memory

i/-in science :

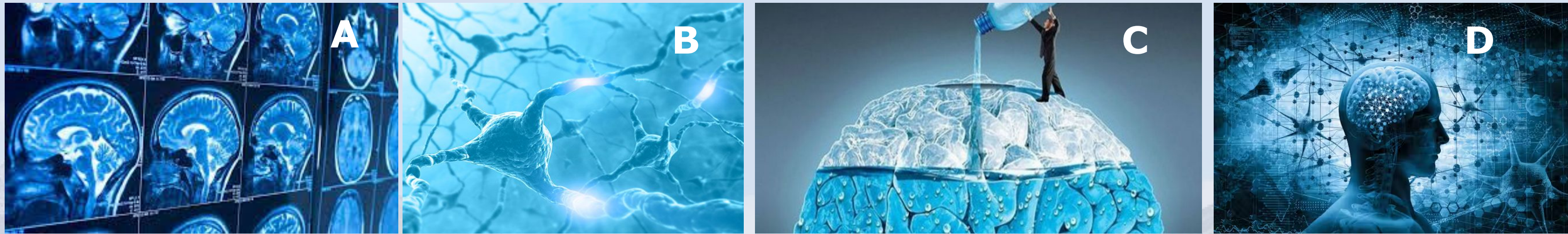
jack benveniste



http://olivier.halgand.free.fr/Ma_verite_sur_la_memoire_de_l_eau.pdf

II/-Principle of water memory

i/-in science : **jack benveniste**



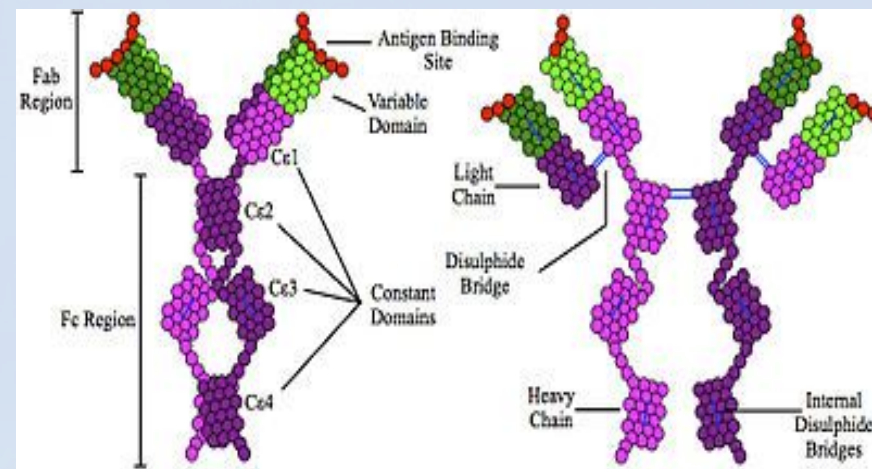
figures A,B,C,D :Brain cells,thoughts and amount of water

- Our brain cells:
 - **95% water**
 - responsible for **thoughts that are waves**
- the water behaves like a **liquid magnetic strip** .
- water molecules communicate with each other through **sound waves** .
- the molecule is a wave **emitter**. just **like wifi** .
- Everything leaves its mark in the water.
- All this done in water with contact with **water molecules**.

II/-Principle of water memory

i/-in science : **jack benveniste**

June 1986 , Days of Allergology of Marseille , Jacques Benveniste presented an experiment .



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Human basophil degranulation triggered by very dilute antiserum against IgE

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When human polymorphonuclear basophils, a type of white blood cell with antibodies of the immunoglobulin E (IgE) type on its surface, are exposed to anti-IgE antibodies, they release histamine from their intracellular granules and change their staining properties. The latter can be demonstrated at dilutions of anti-IgE that range from 1×10^2 to 1×10^{120} ; over that range, there are successive peaks of degranulation from 40 to 60% of the basophils, despite the calculated absence of any anti-IgE molecules at the highest dilutions. Since dilutions need to be accompanied by vigorous shaking for the effects to be observed, transmission of the biological information could be related to the molecular organization of water.

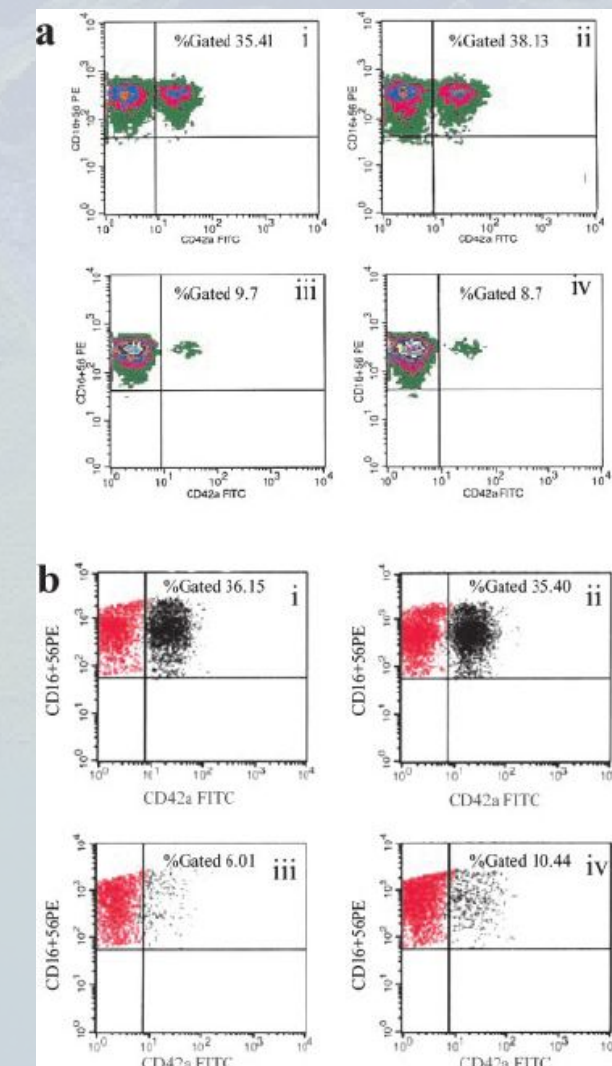
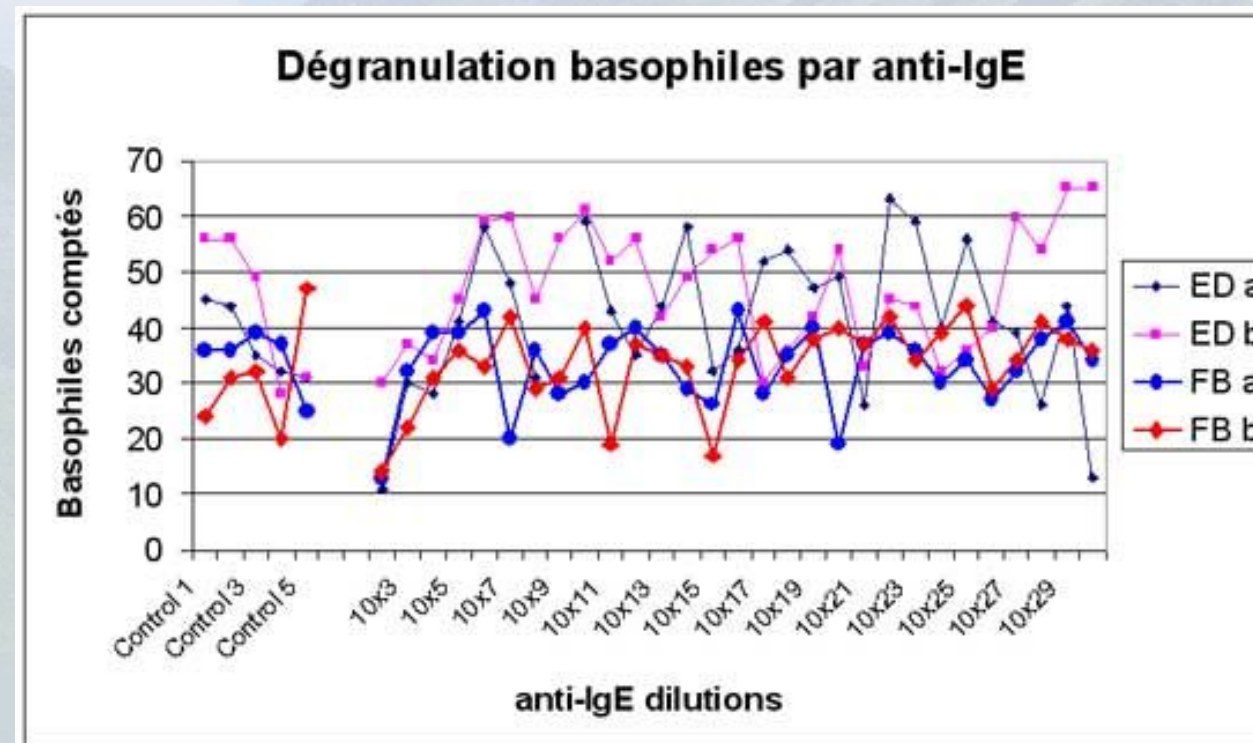
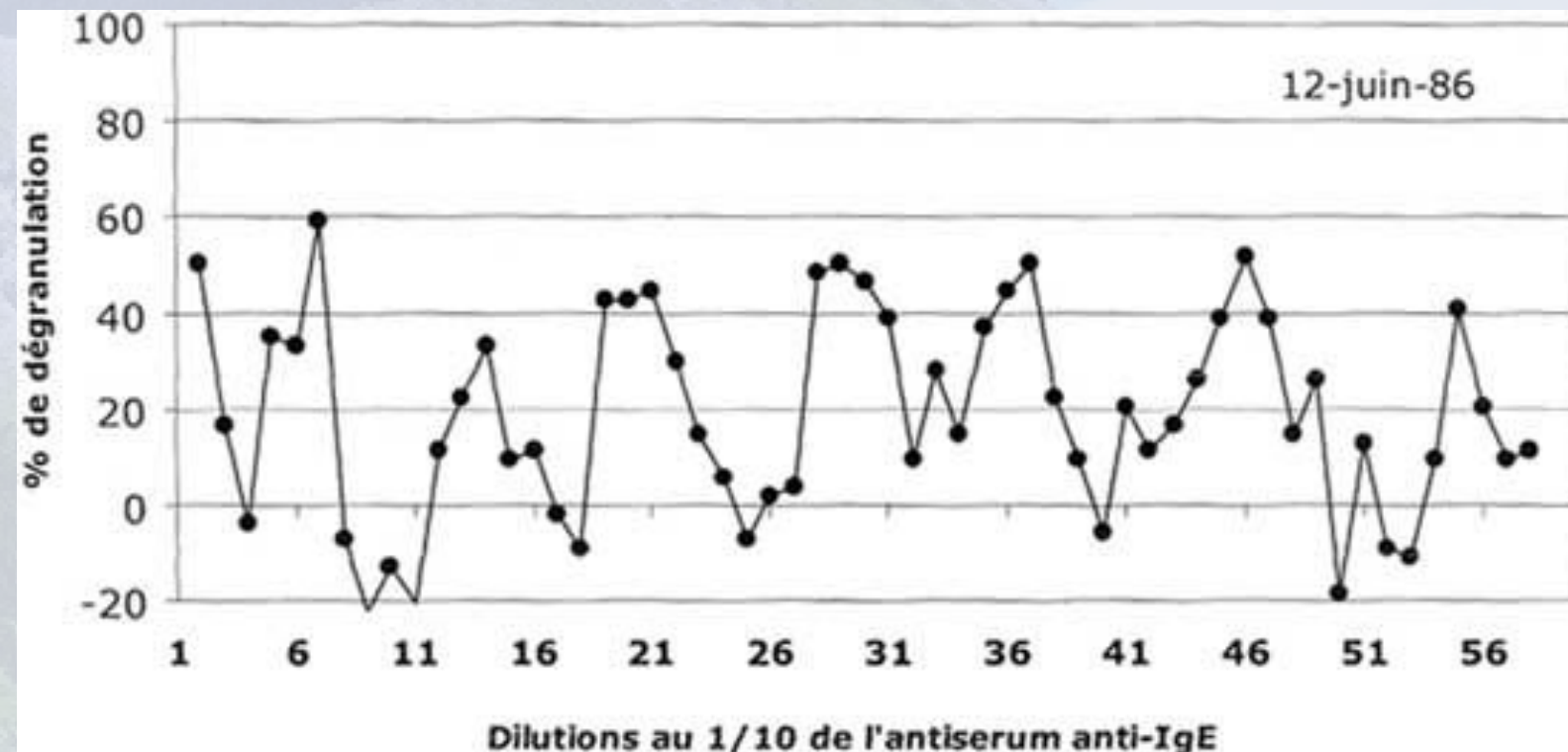


figure : (cytograph)Degranulation of basophils and water memory

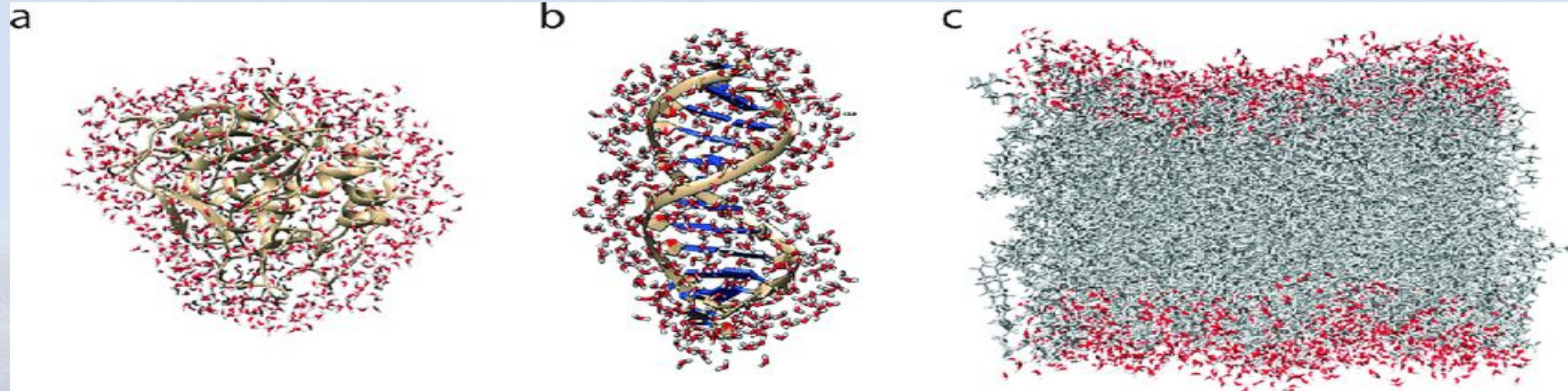
II/-Principle of water memory

i/-in science : **martin chaplin**



Professor CHAPLIN

graduated in Chemistry from the University of Birmingham, in 1967



Figures a,b,d,e :Dynamics of water and ions around DNA

Professor chaplin said that :

These are the water molecules that create the structure of the DNA.

II/-Principle of water memory

i/-in science : martin chaplin

The questions that how water and ions around these biomolecules behave in terms of their structure and dynamics, and how they affect the biomolecular functions have triggered tremendous research activities worldwide. Such activities not only unfolded important static and dynamic properties of water and ions around these biomolecules, but also provoked heated debate regarding their explanation and role in biological functions .[6]

II/-Principle of water memory

i/-in science : **compendium**

The concept of the memory of water revolves around whether the properties of such aqueous solutions change with time and/or processing and/or previous history. There are **two aspects this problem. Can any memory of water effect be evidenced?, and is there satisfactory explanation for the appearance of memory in water? Clearly the first element should be sufficient. **If there is evidence that the history of a sample of water affects its properties, then the 'memory of water' concept is proven****

Conclusion :

This is what Jack Benfenist is **trying to confirm**, but it **has not reached something that can be tested or accepted in the scientific community**. This is **not allowed in the experimental scientific community**. Because science **starts with what is tangible and just hypotheses that have been tried...** It must be characterized by **objectivity, precision, scientific and impartiality** such as moving away from intolerance or adhering to opinion and avoiding two things or phenomena **ipsédixitisme** and **l'ultracrépiderianisme**.

References :

- **[1]:Jonathan Chen . neirad** [en ligne] [Accessed 10/feb/2024]Available online at the following address : <https://neirad.org/8886/pop-culture/water-has-memory/>
- **[2] :Christian Manil & Laurent Lichtenstein .** YouTube [en ligne] [Accessed 10/feb/2024]Available online at the following address : <https://www.youtube.com/watch?v=CdX1Sg65c0A>
- **[3]:Histoire de l'Inserm .**Inserm[en ligne] [Published on: 10/09/2013]Available online at the following address : <https://www.inserm.fr/portrait/histoire/jacques-benveniste/>
- **[4]:MARGAUX PUECH PAYS D'ALISSAC & ANNE BURLET-PARENDEL & MYRIAM REBEYROTTE & NATHALIE FEUILLET & AURÉLIE PERTHUISON .**L'Institut Pasteur [en ligne] [Published on: 11.02.2022]Available online at the following address :<https://www.pasteur.fr/fr/espace-presse/documents-presse/deces-du-professeur-luc-montagnier-8-fevrier-2022>
- **[5] :** عبد الله العمادي . Aljazeera [en ligne][Accessed 23/feb/2024] Available online at the following address : <https://www.aljazeera.net/blogs/2017/4/12/%D9%83%D9%8A%D9%81-%D9%8A%D9%83%D9%88%D9%86-%D8%A7%D9%84%D9%85%D8%A7%D8%A1-%D8%B4%D9%81%D8%A7%D8%A1-%D9%84%D9%84%D9%86%D8%A7%D8%B3>
- **[6] : Him Shweta & Sobhan Sen.** link.springe [en ligne][Accessed 7/MARS/2024] Available online at the following address : <https://r.com/article/10.1007/s12038-018-9771-4>

visual Document

Water memory :

<https://www.youtube.com/watch?v=R8VyUsVOic0>

https://www.youtube.com/watch?v=5cyQVu_8EFc

Magnetic water :

<https://www.youtube.com/watch?v=LZj4pSZj8Q4>

La mémoire de l'eau :

<https://www.youtube.com/watch?v=H9O-XS6tqEY>

Jack benveniste :

<https://www.youtube.com/watch?v=Mkfs5IGx9sM>

<https://www.youtube.com/watch?v=rIRHqDzv1rE>

Documentary :

https://www.youtube.com/watch?v=6a_f00syWzU

L'ultracrépitarianisme :

<https://www.youtube.com/watch?v=f89WVeqWe-M>

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Thank you !!

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